



Gulfco Marine Maintenance Freeport, Brazoria County, Texas

July 2007

This fact sheet will tell you about:

- **Site Description and History**
- **Activities at the Site**
- **Future Plans**
- **Contact Information**

Site Description and History

The Gulfco Marine Maintenance Superfund site is a former barge cleaning facility located 3 miles southeast of Freeport, Texas. The site encompasses 40 acres along the north bank of the Intracoastal Waterway. The facility cleaned, serviced, and repaired various types of barges from 1971 until 1998. On May 30, 2003, the Site was listed to the National Priorities List, thereby making it a "Superfund" site.

Activities at the Site

Continued Remedial Investigation field activities were performed at the Gulfco Site. Fish and crab tissue samples were collected from the Intracoastal Waterway adjacent to the Site in November and December of 2006. Chemical analyses of these samples for metals, pesticides, and polycyclic-aromatic-hydrocarbons were performed and a risk assessment was prepared using these data. This risk assessment concluded that potential exposure to site-related chemicals through consumption of fish and crabs caught from this area is unlikely to pose a significant threat.

The Texas Department of State Health Services (TDSHS) also conducted a preliminary analysis of the fish and crab sampling data. Based upon this

data, the Texas Department of State Health Services does not expect to see health effects associated with exposure to site-related contaminants in fish and crab collected near the Gulfco Marine Maintenance Superfund site. The fish and crab sampling results are included in the table on page 2 of this fact sheet.

Additional field activities performed during April through June 2007 included the collection of surface soil samples, and the drilling and sampling of ground water monitoring wells.

These sampling activities are being carried out by some of the Potentially Responsible Parties under the oversight of the EPA and the Texas Commission on Environmental Quality.

Future Plans

Depending on the findings of the recent soil and ground water sampling activities, future field activities may include the collection of additional soil, ground water, and sediment samples from the Site and nearby areas. The investigation findings will be described in a Remedial Investigation Report to be prepared by the Potentially Responsible Parties after investigation activities are completed.

The Texas Department of State Health Services will also prepare a more detailed description of fish and crab data analysis which will be included in a health consultation in the coming months.

TABLE 1. FISH TISSUE DATA

Sample ID	4,4'-DDE	4,4'-DDT	Benzo(a)anthracene	Benzo (a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Lead	Silver	% Moisture	% Lipids
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
BLUE CRAB														
IW-BC-00401	<0.00723	<0.00578	<0.056	<0.035	<0.046	<0.038	<0.029	<0.047	<0.058	<0.023	<0.19	<0.063	80.1	0.07
IW-BC-00402	<0.00716	<0.00572	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.063	81	0.1
IW-BC-00403	<0.00745	<0.00595	<0.056	<0.035	<0.046	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.063	81.3	0.33
IW-BC-00404	<0.00738	<0.00589	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.063	78.8	0.08
IW-BC-00405	<0.00723	<0.00578	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.063	80.5	0.2
IW-BC-00406	<0.0073	<0.00583	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.063	79.9	0.02
IW-BC-00409	<0.00738	<0.00589	<0.587	<0.348	<0.453	<0.38	<0.289	<0.479	<0.582	<0.229	<0.19	0.11 J	80	0.04
IW-BC-00410	<0.0073	<0.00583	<0.581	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	0.078 J	83.3	0.02
IW-BC-00411	<0.00745	<0.00595	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.063	79.9	0.01
RED DRUM														
IW-RD-00001	<0.0073	<0.00583	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.063	76.6	0.08
IW-RD-00002	<0.00716	<0.00572	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.063	80.7	0.12
IW-RD-00003	<0.00723	<0.00578	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.063	79	2.77
IW-RD-00004	<0.00745	<0.00595	<0.587	<0.348	<0.453	<0.38	<0.289	<0.479	<0.562	<0.229	<0.19	<0.063	81.8	0.03
IW-RD-00005	<0.0073	<0.00583	<0.587	<0.348	<0.453	<0.38	<0.289	<0.479	<0.562	<0.229	<0.19	<0.063	78.7	0.16
IW-RD-00006	<0.00745	<0.00595	<0.572	<0.352	<0.458	<0.384	<0.292	<0.484	<0.568	<0.231	<0.19	<0.063	79.6	0.01
SOUTHERN FLOUNDER														
IW-SF-00301	<0.00745	<0.00595	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	0.22 J	78	0.49
IW-SF-00302	<0.0073	<0.00583	<0.056	<0.035	0.048 J	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.063	78.6	1.24
IW-SF-00303	<0.0073	<0.00583	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.063	77.3	1.24
IW-SF-00304	<0.00723	<0.00578	<0.057	<0.348	<0.453	<0.38	<0.029	<0.479	<0.056	<0.023	<0.19	<0.063	77.8	2.19
IW-SF-00305	<0.00738	<0.00589	<0.581	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	<0.063	78.9	0.1
IW-SF-00306	<0.00745	<0.00595	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.063	77.7	0.1
IW-SF-00307	<0.00745	<0.00595	<0.581	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	<0.063	79.1	0.08
IW-SF-00308	<0.00716	<0.00572	<0.578	<0.355	<0.462	<0.388	<0.295	<0.489	<0.574	<0.233	<0.19	<0.063	78.3	0.06
IW-SF-00309	<0.00738	<0.00589	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.063	77.4	0.06
SPECKLED TROUT														
IW-ST-00101	<0.00745	<0.00595	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.063	77.9	0.08
IW-ST-00102	<0.00745	<0.00595	<0.058	<0.036	0.049 J	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.063	73	1.13
IW-ST-00103	<0.00738	<0.00589	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.063	76.2	0.31
IW-ST-00104	0.012	<0.00589	<0.058	<0.359	<0.467	<0.392	<0.03	<0.494	<0.058	<0.024	<0.19	0.18 J	76.4	1.02
IW-ST-00105	<0.00745	<0.00595	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.063	73.6	1.41
IW-ST-00106	<0.00716	<0.00572	<0.056	<0.345	<0.449	<0.377	<0.029	<0.475	<0.056	<0.023	<0.19	<0.063	75.3	0.72
IW-ST-00107	<0.00738	<0.00589	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	<0.063	77.1	2.87
IW-ST-00108	<0.00723	<0.00578	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	<0.063	75.1	0.79
IW-ST-00109	0.016 J	<0.00595	<0.057	<0.176	<0.229	<0.192	<0.029	<0.242	<0.056	<0.023	<0.19	<0.063	75	0.49
DUPLICATES														
IW-BC-00405 (DUP)	0.011	<0.00578	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	0.067 J	80.7	0.02
IW-SF-00302 (DUP)	<0.00723	<0.00578	<0.056	<0.035	0.049 J	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.063	79.2	0.07
IW-ST-00105 (DUP)	<0.00723	<0.00578	<0.058	<0.359	<0.467	<0.392	<0.03	<0.494	<0.058	<0.024	0.24 J	<0.063	72.1	0.36

Notes:

1. J = Estimated concentration between detection limit and quantitation limit.
2. All concentrations reported on a wet weight basis.
3. Values given for hexachlorobenzene are the laboratory reporting limits that were elevated by a factor of two, based on quality assurance evaluation of the data.
4. "<" Values are Gulfco sample detection limits (SDLs). The SDL, as defined by the Gulfco QAPP and as reported by the laboratory, is equivalent to the sample quantitation limit (SQL) as defined by the EPA in Guidance for Data Usability in Risk Assessment (Part A) (EPA, 1992b, pg. 49), i.e., it is the method detection limit (MDL) adjusted to reflect sample-specific action such as dilution or use of smaller aliquot sizes than prescribed in the method. The Gulfco SQL, as defined by the Gulfco QAPP and reported by the laboratory, is the method quantitation limit (MQL), which is equivalent to the lowest concentration in the calibration curve, adjusted to reflect sample-specific action, and thus it is not equivalent to the SQL for RAGS (EPA, 1989).

For more information, please contact.....

Gary Miller
EPA Remedial Project Manager
214-665-8318
miller.garyg@epa.gov

Phyllis June Hoey
EPA Community Involvement Coordinator/SEE
214-665-8522
hoey.phyllis@epa.gov

Carrie Bradford, Ph.D.
TDSHS Toxicologist
1-800-588-1248 ext. 3004
carrie.bradford@dshs.state.tx.us

Tina Walker
TDSHS Health Educator
1-800-588-1248 ext. 2932
tina.walker@dshs.state.tx.us

All media inquiries should be directed to David Bary, EPA Office of External Affairs 214-665-2208.

U.S. EPA on the Internetwww.epa.gov/region6 or www.epa.gov/region6/superfund

If you have any questions or would like your name added to the mailing list, please call the EPA Region 6 at 1-800-533-3508 (toll-free).

Para recibir una traducción en español de esta hoja de datos, comunicarse con la Agencia de Protección del Medio Ambiente de los EEUU (la EPA) al número de teléfono 1-800-533-3508 (llamada gratis).



United States
Environmental Protection
Agency Region 6
1445 Ross Ave. (6SF-TS)
Dallas, TX 75202